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OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/834,309

DATE: 04/27/2001
 TIME: 12:59:18

Input Set : A:\es.txt
 Output Set: N:\CRF3\04272001\I834309.raw

3 <110> APPLICANT: Chen, Xiaojiang
 4 Holers, V. Michael
 6 <120> TITLE OF INVENTION: THREE-DIMENSIONAL STRUCTURE OF COMPLEMENT RECEPTOR TYPE 2
 AND USES
 7 THEREOF
 9 <130> FILE REFERENCE: 2848-43
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/834,309
 C--> 11 <141> CURRENT FILING DATE: 2001-04-11
 11 <160> NUMBER OF SEQ ID NOS: 9
 13 <170> SOFTWARE: PatentIn version 3.0
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 1033
 17 <212> TYPE: PRT
 18 <213> ORGANISM: Homo sapiens
 20 <400> SEQUENCE: 1
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 23 1 5 10 15
 25 Gly Val Leu Gly Ile Ser Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly
 26 20 25 30
 28 Arg Ile Ser Tyr Tyr Ser Thr Pro Ile Ala Val Gly Thr Val Ile Arg
 29 35 40 45
 31 Tyr Ser Cys Ser Gly Thr Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu
 32 50 55 60
 34 Cys Ile Thr Lys Asp Lys Val Asp Gly Thr Trp Asp Lys Pro Ala Pro
 35 65 70 75 80
 37 Lys Cys Glu Tyr Phe Asn Lys Tyr Ser Ser Cys Pro Glu Pro Ile Val
 38 85 90 95
 40 Pro Gly Gly Tyr Lys Ile Arg Gly Ser Thr Pro Tyr Arg His Gly Asp
 41 100 105 110
 43 Ser Val Thr Phe Ala Cys Lys Thr Asn Phe Ser Met Asn Gly Asn Lys
 44 115 120 125
 46 Ser Val Trp Cys Gln Ala Asn Asn Met Trp Gly Pro Thr Arg Leu Pro
 47 130 135 140
 49 Thr Cys Val Ser Val Phe Pro Leu Glu Cys Pro Ala Leu Pro Met Ile
 50 145 150 155 160
 52 His Asn Gly His His Thr Ser Cys Asn Val Gly Ser Ile Ala Pro Gly
 53 165 170 175
 55 Leu Ser Val Thr Tyr Ser Cys Glu Ser Gly Tyr Leu Leu Val Gly Glu
 56 180 185 190
 58 Lys Ile Ile Asn Cys Leu Ser Ser Gly Lys Trp Ser Ala Val Pro Pro
 59 195 200 205
 61 Thr Cys Glu Glu Ala Arg Cys Lys Ser Leu Gly Arg Phe Pro Asn Gly
 62 210 215 220
 64 Lys Val Lys Glu Pro Pro Ile Leu Arg Val Gly Val Thr Ala Asn Phe
 65 225 230 235 240
 67 Phe Cys Asp Glu Gly Tyr Arg Leu Gln Gly Pro Pro Ser Ser Arg Cys
 68 245 250 255
 70 Val Ile Ala Gly Gln Gly Val Ala Trp Thr Lys Met Pro Val Cys Glu

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| | | | | |
|-----|---|-----|-----|-----|
| 71 | 260 | 265 | 270 | |
| 73 | Glu Ile Phe Cys Pro Ser Pro Pro Pro Ile Leu Asn Gly Arg His Ile | | | |
| 74 | 275 | 280 | 285 | |
| 76 | Gly Asn Ser Leu Ala Asn Val Ser Tyr Gly Ser Ile Val Thr Tyr Thr | | | |
| 77 | 290 | 295 | 300 | |
| 79 | Cys Asp Pro Asp Pro Glu Glu Gly Val Asn Phe Ile Leu Ile Gly Glu | | | |
| 80 | 305 | 310 | 315 | 320 |
| 82 | Ser Thr Leu Arg Cys Thr Val Asp Ser Gln Lys Thr Gly Thr Trp Ser | | | |
| 83 | 325 | 330 | 335 | |
| 85 | Gly Pro Ala Pro Arg Cys Glu Leu Ser Thr Ser Ala Val Gln Cys Pro | | | |
| 86 | 340 | 345 | 350 | |
| 88 | His Pro Gln Ile Leu Arg Gly Arg Met Val Ser Gly Gln Lys Asp Arg | | | |
| 89 | 355 | 360 | 365 | |
| 91 | Tyr Thr Tyr Asn Asp Thr Val Ile Phe Ala Cys Met Phe Gly Phe Thr | | | |
| 92 | 370 | 375 | 380 | |
| 94 | Leu Lys Gly Ser Lys Gln Ile Arg Cys Asn Ala Gln Gly Thr Trp Glu | | | |
| 95 | 385 | 390 | 395 | 400 |
| 97 | Pro Ser Ala Pro Val Cys Glu Lys Glu Cys Gln Ala Pro Pro Asn Ile | | | |
| 98 | 405 | 410 | 415 | |
| 100 | Leu Asn Gly Gln Lys Glu Asp Arg His Met Val Arg Phe Asp Pro Gly | | | |
| 101 | 420 | 425 | 430 | |
| 103 | Thr Ser Ile Lys Tyr Ser Cys Asn Pro Gly Tyr Val Leu Val Gly Glu | | | |
| 104 | 435 | 440 | 445 | |
| 106 | Glu Ser Ile Gln Cys Thr Ser Glu Gly Val Trp Thr Pro Pro Val Pro | | | |
| 107 | 450 | 455 | 460 | |
| 109 | Gln Cys Lys Val Ala Ala Cys Glu Ala Thr Gly Arg Gln Leu Leu Thr | | | |
| 110 | 465 | 470 | 475 | 480 |
| 112 | Lys Pro Gln His Gln Phe Val Arg Pro Asp Val Asn Ser Ser Cys Gly | | | |
| 113 | 485 | 490 | 495 | |
| 115 | Glu Gly Tyr Lys Leu Ser Gly Ser Val Tyr Gln Glu Cys Gln Gly Thr | | | |
| 116 | 500 | 505 | 510 | |
| 118 | Ile Pro Trp Phe Met Glu Ile Arg Leu Cys Lys Glu Ile Thr Cys Pro | | | |
| 119 | 515 | 520 | 525 | |
| 121 | Pro Pro Pro Val Ile Tyr Asn Gly Ala His Thr Gly Ser Ser Leu Glu | | | |
| 122 | 530 | 535 | 540 | |
| 124 | Asp Phe Pro Tyr Gly Thr Thr Val Thr Tyr Thr Cys Asn Pro Gly Pro | | | |
| 125 | 545 | 550 | 555 | 560 |
| 127 | Glu Arg Gly Val Glu Phe Ser Leu Ile Gly Glu Ser Thr Ile Arg Cys | | | |
| 128 | 565 | 570 | 575 | |
| 130 | Thr Ser Asn Asp Gln Glu Arg Gly Thr Trp Ser Gly Pro Ala Pro Leu | | | |
| 131 | 580 | 585 | 590 | |
| 133 | Cys Lys Leu Ser Leu Leu Ala Val Gln Cys Ser His Val His Ile Ala | | | |
| 134 | 595 | 600 | 605 | |
| 136 | Asn Gly Tyr Lys Ile Ser Gly Lys Glu Ala Pro Tyr Phe Iyr Asn Asp | | | |
| 137 | 610 | 615 | 620 | |
| 139 | Thr Val Thr Phe Lys Cys Tyr Ser Gly Phe Thr Leu Lys Gly Ser Ser | | | |
| 140 | 625 | 630 | 635 | 640 |
| 142 | Gln Ile Arg Cys Lys Ala Asp Asn Thr Trp Asp Pro Glu Ile Pro Val | | | |
| 143 | 645 | 650 | 655 | |

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145 Cys Glu Lys Glu Thr Cys Gln His Val Arg Gln Ser Leu Gln Glu Leu
146 660 665 670
148 Pro Ala Gly Ser Arg Val Glu Leu Val Asn Thr Ser Cys Gln Asp Gly
149 675 680 685
151 Tyr Gln Leu Thr Gly His Ala Tyr Gln Met Cys Gln Asp Ala Glu Asn
152 690 695 700
154 Gly Ile Trp Phe Lys Lys Ile Pro Leu Cys Lys Val Ile His Cys His
155 705 710 715 720
157 Pro Pro Pro Val Ile Val Asn Gly Lys His Thr Gly Met Met Ala Glu
158 725 730 735
160 Asn Phe Leu Tyr Gly Asn Glu Val Ser Tyr Glu Cys Asp Gln Gly Phe
161 740 745 750
163 Tyr Leu Leu Gly Glu Lys Lys Leu Gln Cys Arg Ser Asp Ser Lys Gly
164 755 760 765
166 His Gly Ser Trp Ser Gly Pro Ser Pro Gln Cys Leu Arg Ser Pro Pro
167 770 775 780
169 Val Thr Arg Cys Pro Asn Pro Glu Val Lys His Gly Tyr Lys Leu Asn
170 785 790 795 800
172 Lys Thr His Ser Ala Tyr Ser His Asn Asp Ile Val Tyr Val Asp Cys
173 805 810 815
175 Asn Pro Gly Phe Ile Met Asn Gly Ser Arg Val Ile Arg Cys His Thr
176 820 825 830
178 Asp Asn Thr Trp Val Pro Gly Val Pro Thr Cys Met Lys Lys Ala Phe
179 835 840 845
181 Ile Gly Cys Pro Pro Pro Pro Lys Thr Pro Asn Gly Asn His Thr Gly
182 850 855 860
184 Gly Asn Ile Ala Arg Phe Ser Pro Gly Met Ser Ile Leu Tyr Ser Cys
185 865 870 875 880
187 Asp Gln Gly Tyr Leu Leu Val Gly Glu Ala Leu Leu Leu Cys Thr His
188 885 890 895
190 Glu Gly Thr Trp Ser Gln Pro Ala Pro His Cys Lys Clu Val Asn Cys
191 900 905 910
193 Ser Ser Pro Ala Asp Met Asp Gly Ile Gln Lys Gly Leu Glu Pro Arg
194 915 920 925
196 Lys Met Tyr Gln Tyr Gly Ala Val Val Thr Leu Glu Cys Glu Asp Gly
197 930 935 940
199 Tyr Met Leu Glu Gly Ser Pro Gln Ser Gln Cys Gln Ser Asp His Gln
200 945 950 955 960
202 Trp Asn Pro Pro Leu Ala Val Cys Arg Ser Arg Ser Leu Ala Pro Val
203 965 970 975
205 Leu Cys Gly Ile Ala Ala Gly Ile Ile Leu Leu Thr Phe Leu Ile Val
206 980 985 990
208 Ile Thr Leu Tyr Val Ile Ser Lys His Arg Glu Arg Asn Tyr Tyr Thr
209 995 1000 1005
211 Asp Thr Ser Gln Lys Glu Ala Phe His Leu Glu Ala Arg Glu Val
212 1010 1015 1020
214 Tyr Ser Val Asp Pro Tyr Asn Pro Ala Ser
215 1025 1030
217 <210> SEQ ID NO: 2

RAW SEQUENCE LISTING
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Input Set : A:\es.txt
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218 <211> LENGTH: 60
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 2
224 Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly Arg Ile Ser Tyr Tyr Ser
225 1 5 10 15
227 Thr Pro Ile Ala Val Gly Thr Val Ile Arg Tyr Ser Cys Ser Gly Thr
228 20 25 30
230 Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu Cys Ile Thr Lys Asp Lys
231 35 40 45
233 Val Asp Gly Thr Trp Asp Lys Pro Ala Pro Lys Cys
234 50 55 60
236 <210> SEQ ID NO: 3
237 <211> LENGTH: 56
238 <212> TYPE: PRT
239 <213> ORGANISM: Homo sapiens
241 <400> SEQUENCE: 3
243 Cys Pro Glu Pro Ile Val Pro Gly Gly Tyr Lys Ile Arg Gly Ser Thr
244 1 5 10 15
246 Pro Tyr Arg His Gly Asp Ser Val Thr Phe Ala Cys Lys Thr Asn Phe
247 20 25 30
249 Ser Met Asn Gly Asn Lys Ser Val Trp Cys Gln Ala Asn Asn Met Trp
250 35 40 45
252 Gly Pro Thr Arg Leu Pro Thr Cys
253 50 55
255 <210> SEQ ID NO: 4
256 <211> LENGTH: 134
257 <212> TYPE: PRT
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 4
262 Gly Ile Ser Cys Gly Ser Pro Pro Pro Ile Leu Asn Gly Arg Ile Ser
263 1 5 10 15
265 Tyr Tyr Ser Thr Pro Ile Ala Val Gly Thr Val Ile Arg Tyr Ser Cys
266 20 25 30
268 Ser Gly Thr Phe Arg Leu Ile Gly Glu Lys Ser Leu Leu Cys Ile Thr
269 35 40 45
271 Lys Asp Lys Val Asp Gly Thr Trp Asp Lys Pro Ala Pro Lys Cys Glu
272 50 55 60
274 Tyr Phe Asn Lys Tyr Ser Ser Cys Pro Glu Pro Ile Val Pro Gly Gly
275 65 70 75 80
277 Tyr Lys Ile Arg Gly Ser Thr Pro Tyr Arg His Gly Asp Ser Val Thr
278 85 90 95
280 Phe Ala Cys Lys Thr Asn Phe Ser Met Asn Gly Asn Lys Ser Val Trp
281 100 105 110
283 Cys Gln Ala Asn Asn Met Trp Gly Pro Thr Arg Leu Pro Thr Cys Val
284 115 120 125
286 Ser Val Phe Pro Leu Glu
287 130
289 <210> SEQ ID NO: 5

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290 <211 · LENGTH: 1025
 291 <212 · TYPE: PRT
 292 <213 · ORGANISM: Mus musculus
 294 · 400 · SEQUENCE: 5
 295 Met Leu Thr Trp Phe Leu Phe Tyr Phe Ser Glu Ile Ser Cys Asp Pro
 297 1 5 10 15
 299 Pro Pro Glu Val Lys Asn Ala Arg Lys Pro Tyr Tyr Ser Leu Pro Ile
 300 20 25 30
 302 Val Pro Gly Thr Val Leu Arg Tyr Thr Cys Ser Pro Ser Tyr Arg Leu
 303 35 40 45
 305 Ile Gly Glu Lys Ala Ile Phe Cys Ile Ser Glu Asn Gln Val His Ala
 306 50 55 60
 308 Thr Trp Asp Lys Ala Pro Pro Ile Cys Glu Ser Val Asn Lys Thr Ile
 309 65 70 75 80
 311 Ser Cys Ser Asp Pro Ile Val Pro Gly Gly Phe Met Asn Lys Gly Ser
 312 85 90 95
 314 Lys Ala Pro Phe Arg His Gly Asp Ser Val Thr Phe Thr Cys Lys Ala
 315 100 105 110
 317 Asn Phe Thr Met Lys Gly Ser Lys Thr Val Trp Cys Gln Ala Asn Glu
 318 115 120 125
 320 Met Trp Gly Pro Thr Ala Leu Pro Val Cys Glu Ser Asp Phe Pro Leu
 321 130 135 140
 323 Glu Cys Pro Ser Leu Pro Thr Ile His Asn Gly His His Thr Gly Gln
 324 145 150 155 160
 326 His Val Asp Gln Phe Val Ala Gly Leu Ser Val Thr Tyr Ser Cys Glu
 327 165 170 175
 329 Pro Gly Tyr Leu Leu Thr Gly Lys Lys Thr Ile Lys Cys Leu Ser Ser
 330 180 185 190
 332 Gly Asp Trp Asp Gly Val Ile Pro Thr Cys Lys Glu Ala Gln Cys Glu
 333 195 200 205
 335 His Pro Gly Lys Phe Pro Asn Gly Gln Val Lys Glu Pro Leu Ser Leu
 336 210 215 220
 338 Gln Val Gly Thr Thr Val Tyr Phe Ser Cys Asn Glu Gly Tyr Gln Leu
 339 225 230 235 240
 341 Gln Gly Gln Pro Ser Ser Gln Cys Val Ile Val Glu Gln Lys Ala Ile
 342 245 250 255
 344 Trp Thr Lys Lys Pro Val Cys Lys Glu Ile Leu Cys Pro Pro Pro Pro
 345 260 265 270
 347 Pro Val Arg Asn Gly Ser His Thr Gly Ser Phe Ser Glu Asn Val Pro
 348 275 280 285
 350 Ily Gly Ser Thr Val Thr Ily Thr Cys Asp Pro Ser Pro Glu Lys Gly
 351 290 295 300
 353 Val Ser Phe Thr Leu Ile Gly Glu Lys Thr Ile Asn Cys Thr Thr Gly
 354 305 310 315 320
 356 Ser Gln Lys Thr Gly Ile Trp Ser Gly Pro Ala Pro Tyr Cys Val Leu
 357 325 330 335
 359 Ser Thr Ser Ala Val Leu Cys Leu Gln Pro Lys Ile Lys Arg Gly Gln
 360 340 345 350
 362 Ile Leu Ser Ile Leu Lys Asp Ser Tyr Ser Tyr Asn Asp Thr Val Ala

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/834,309

DATE: 04/27/2001

TIME: 12:59:19

Input Set : A:\es.txt

Output Set: N:\CRF3\04272001\I834309.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date